



## **HUGGER SERIES CEILING FAN**

### **INSTALLATION INSTRUCTIONS**

**READ AND SAVE THESE INSTRUCTIONS**

MODEL : Z442 HB442 HB552 642

120V AC, 60Hz

## IMPORTANT SAFETY PRECAUTIONS

1. To reduce the risk of electric shock, insure electricity has been turned off at the circuit breaker or fuse box before beginning.
2. All wiring must be in accordance with the National Electrical Code and local electrical codes. Electrical installation should be performed by a qualified licensed electrician.
3. **WARNING :** To reduce the risk of electrical shock and fire, do not use this fan with any solid-state fan speed control device.
4. **CAUTION :** To reduce the risk of personal injury, use only the hardware (and lock washers) provided with the fan for mounting to the outlet box.
5. **WARNING :** To reduce the risk of fire, electric shock, and personal injury, mount fan to outlet box marked acceptable for fan support and use mounting screws provided with the outlet box. The outlet box and support structure must securely mounted and capable of reliably supporting at least 35 pounds.
6. The fan must be mounted with a minimum of 7 feet from the trailing edge of the blades to the floor.
7. Do not operate reversing switch while fan blades are in motion. Fan must be turned off and blades stopped before reversing blade direction.
8. To avoid personal injury or damage to the fan and other items, be cautious when working around or cleaning the fan.
9. Do not use water or detergents when cleaning the fan or fan blades. A dry dust cloth or lightly dampened cloth will be suitable for most cleaning.
10. After making electrical connections, spliced conductors should be turned upward and pushed carefully up into outlet box. The wires should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the outlet box and the ungrounded conductor on the other side of the outlet box.
11. Electrical diagrams are for reference only. Light kits that are not packed with the fan must be UL Listed and marked suitable for use with the model fan you are installing. Switches must be UL General Use Switches. Refer to the instructions packaged with the light kits and switches for proper assembly.
12. **WARNING :** To reduce the risk of personal injury, do not bend the blade brackets when installing the brackets, balancing the blades, or cleaning the fan. Do not insert foreign objects in between rotating fan blades.
13. Ceiling fan models marked "Suitable for Damp Location Use" or marked "Suitable for Wet Location Use" should only employ light kits identified for use in damp or wet locations.

## ASSEMBLING AND INSTALLATION

1. (See Fig. 1) If outlet box will not support 40 lbs, 2 optional mounting holes are supplied in mounting bracket, use 1/4" Dia. leg bolts to secure to ceiling structure. Do not mount to non-metallic outlet box.
2. Use machine screws found in outlet box to secure mounting bracket to outlet box.
3. Place motor assembly onto mounting bracket so that the notch in mounting bar engaged onto the square slot in mounting plate, thus the motor unit hanging beneath the mounting plate. (See Fig. 2)
4. Make wire connections. Connect white to white, black to black. If light kit is used, connect blue to black, otherwise, cap off with wire nut. (See Fig. 3) Splices should be spread apart with the grounded conductor and the equipment-grounding conductor on one side of the outlet box and the ungrounded conductor on the other side of the outlet box.

5. Connect ground wire (green) from motor through mounting bracket to grounding conductor of supply. (See Fig. 3) Be sure house's ground is a good ground.
6. Push the motor upward as diagram 3 shown and secure the motor to mounting bracket with screw and washer. (See Fig. 4)
7. Place the decorative housing over motor assembly and against ceiling to match holes in perimeter of mounting bracket. Secure with screw onto mounting bracket. (See Fig. 4 and Fig. 5)
8. Attach blades to blade brackets using screws and washers supplied in screw pack. The three screws and washers per blade are threaded from top of the blade, through the blade into the bracket. The three screws should not be tightened into the blade bracket until each of the three screws have been started into the blade brackets. (See Fig. 5)
9. Attach one blade bracket to fan housing using two bracket mounting screws threading them into fan motor. Turn the motor by hand until the blade is opposite you, then attach the second blade, repeat instructions for the other blades. (See Fig. 6)

**WARNING :** To reduce the risk of fire, electric shock or personal injury, mount to outlet box marked Acceptable for fan support and use only the screws and washers provided with the outlet box.

## SPEED CONTROL OPERATION

This fan is a 3 speed fan and is controlled by a pull chain switch. The Switch operation is OFF, HIGH, MEDIUM, LOW, OFF.

**WARNING :** To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.

## MOUNTING INSTRUCTIONS

Fig. 1

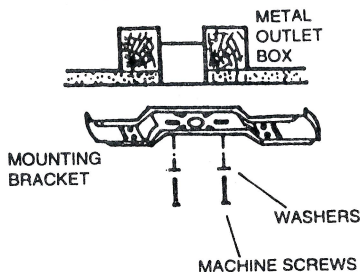


Fig. 2

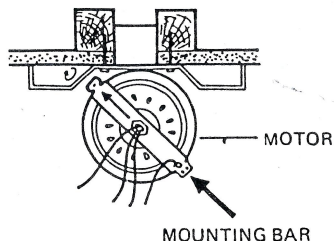


Fig. 3

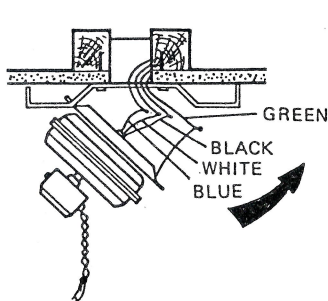


Fig. 4

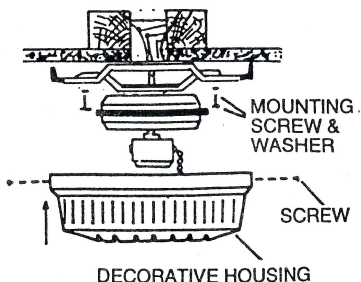


Fig. 5

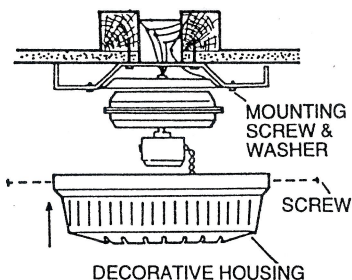
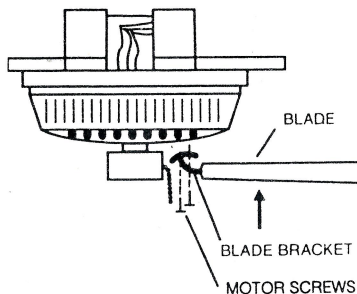


Fig. 6

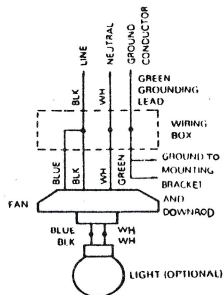


## WIRING OPTIONS

### METHOD 1

FAN CONTROLLED BY PULL CHAIN SWITCH, LIGHT CONTROLLED BY PULL CHAIN SWITCH ON LIGHT.

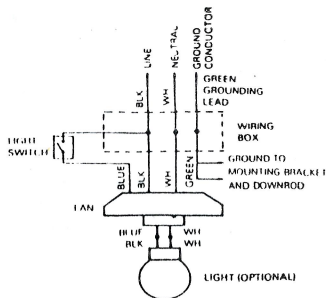
Your ceiling fan has a 3 speed pull chain, factory installed in the switch housing below the fan, for conventional fan control. The wiring also provides for the installation of an optional Ceiling Fan Light Kit, which is operated independently of the fan by a pull chain switch.



### METHOD 2

LIGHT CONTROLLED FROM GENERAL USE LISTED WALL SWITCH. FAN CONTROLLED BY PULL CHAIN.

To control the fan with the factory installed speed control, but with a separate wall switch for an optional Ceiling Fan Light Kit.

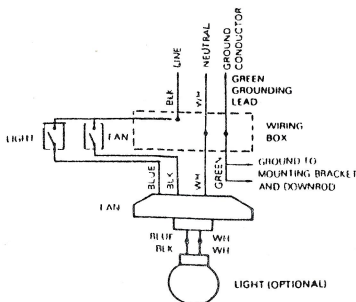


### METHOD 3

FAN AND LIGHT CONTROLLED BY INDEPENDENT GENERAL USE LISTED WALL SWITCHES.

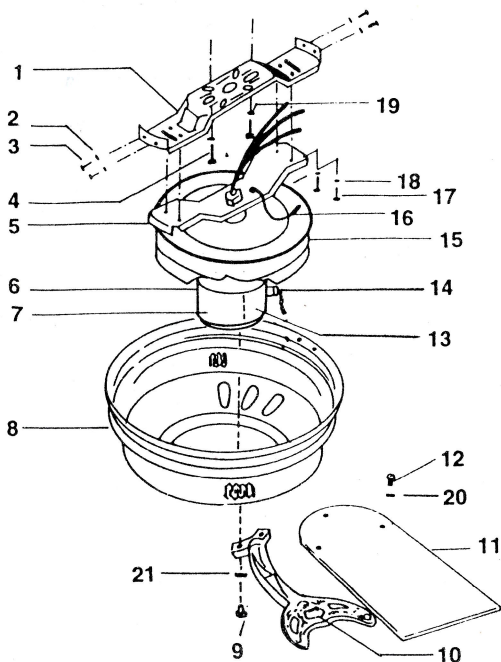
For complete wall control of both the fan and an optional Ceiling Fan Light Kit.

NOTE : USE ONLY UL LISTED GENERAL PURPOSE WALL SWITCH.



## PARTS LIST

ITEM NO.	DESCRIPTION
1	MOUNTING BRACKET
2	WASHER
3	SIDE SCREW
4	MACHINE SCREW
5	MOUNTING BAR
6	REVERSE SWITCH
7	SCREW
8	DECORATIVE HOUSING
9	MOTOR SCREW
10	BLADE BRACKET
11	WOOD BLADE
12	BLADE SCREW
13	SWITCH HOUSING
14	PULL CHAIN SWITCH
15	MOTOR
16	GROUND WIRE
17	SCREW
18	WASHER
19	WASHER
20	FIBER WASHER
21	WASHER



## CARE AND CLEANING

1. Check the integrity of the fan's mechanical support connections at least twice a year. Simply remove blade assemblies and decorative housing for examination of mounting bracket support and screws conditions. There is no need to remove fan from ceiling.
2. Examine the integrity of the blade assemblies once a year.
3. Periodic cleaning of your new ceiling fan helps maintain the appearance over the years. Do not use water when cleaning your ceiling fan. It could damage the motor or wood blades and create the possibility of an electric shock.
4. The housing is sealed with a lacquer to prevent any discoloration or tarnishing. Therefore, only use a soft brush or lint free cloth to avoid scratching the finish.
5. You may wish to occasionally apply a light coat of furniture polish to the wood blades for added protection and to enhance their beauty.
6. The fan motor has permanently lubricated ball bearings. There is no need to oil the motor.



## TROUBLE SHOOTING

TROUBLE	PROBABLE CAUSE	SUGGESTED REMEDY
1. Fan will not start	<ol style="list-style-type: none"> <li>1. Reversing switch in natural position.</li> <li>2. Fuse or circuit breaker blown.</li> <li>3. Loose power line connections to the fan, or loose switch wire connections in the switch housing.</li> </ol>	<ol style="list-style-type: none"> <li>1. Make sure reversing switch position is all the way to one side.</li> <li>2. Check main and branch circuit fuses or circuit breakers.</li> <li>3. Check line wire connections to fan and switch wire connections in the switch housing.</li> </ol>
2. Fan sounds noisy	<ol style="list-style-type: none"> <li>1. Blades not attached to fan</li> <li>2. Loose screws in motor housing.</li> <li>3. Screws securing fan blade brackets to motor hub are loose.</li> <li>4. Switch housing binding against blade hub.</li> <li>5. Wire nuts inside switch housing rattling.</li> <li>6. Motor noise caused by solid-state variable speed control.</li> </ol>	<ol style="list-style-type: none"> <li>1. Attach blades to fan before operating.</li> <li>2. Check to make sure all screws in motor housing are snug (not over tight).</li> <li>3. Check to make sure the screws which attach the fan blade brackets to the motor hub are tight.</li> <li>4. Check to make sure that the switch housing does not bind against the blade hub.</li> <li>5. Check to make sure wire nut connectors in switch housing are not rattling against each other or against the interior wall of the switch housing.</li> <li>6. Some fan motors are sensitive to signals from solid-state variable speed controls. If solid-state control is used and motor noise results, choose an alternate control method.</li> </ol>
3. Fan wobbles or shakes excessively	<ol style="list-style-type: none"> <li>1. Screws securing fan blade brackets to blade hub are loose.</li> <li>2. Fan blade brackets not seated properly.</li> <li>3. Hanger bracket and/or ceiling outlet box is not securely fastened.</li> <li>4. Fan blades out of balance.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check to be sure screws which attach the fan blade brackets to the motor hub are tight.</li> <li>2. Check to be sure the fan blade brackets seat firmly &amp; uniformly to the surface of the motor hub. If brackets are seated incorrectly, loosen the bracket screws &amp; retighten according to the procedure in the section on "ATTACHING FAN BLADES".</li> <li>3. Tighten the steel mounting screws to the outlet box. and/or secure outlet box.</li> <li>4. Interchanging an adjacent (side by side) blade pair can redistribute the weight and result in smoother operation.</li> </ol>

## MAINTENANCE

**IMPORTANT CARE INSTRUCTIONS** for your Ceiling Fan.

Periodic cleaning of your new ceiling fan is the only maintenance that is needed.

When cleaning, use only a soft brush or lint free cloth to avoid scratching the finish. Abrasive cleaning agents are not required and should be avoided to prevent damage to finish.

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